



# Westfield Primary School

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Both staff and pupil wellbeing have been considered in the review of this policy.

## **Succeed the Westfield Way**

School family

Understanding

Creativity

Confidence

Enjoyment

Experiences

Determination

### **Mission Statement**

We believe it to be of great importance to recognise and treasure the unique gifts of each pupil and to do all that we can to allow these to flourish.

Westfield Primary School strives to be a community in which principles of care and mutual respect are valued.

To achieve our vision we will:

Provide a secure and stimulating learning environment

Provide a broad and balanced curriculum

Provide an ethos of support, encouragement and challenge to succeed

Provide an exciting programme of extra-curricular activities and visits.

### **Introduction**

The school's curriculum intent for Computing is to expand access to, and experience of, a range of technologies in-order- to develop computational thinking and equip our children for the jobs of



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the future.

Computing should enrich, modernise, and support all aspects of our school's curriculum. Children's learning should be made more rewarding and inspirational by using ICT. Children's confidence and progress in their computing skills is essential for them to maximise their learning in the curriculum and to prepare them for the challenge of a rapidly developing and changing technological world.

The school's teaching should be made more creative and effective by using computers which provide innovative experiences that would either be less inspiring or impossible without them.

The school's staff should be equipped and continually updated with computing skills and resources that enable them to feel confident in using ICT effectively in their teaching and wider professional role. The school's computing resources should be as up to date, relevant and extensive as possible.

The children should have as much access to ICT as possible, especially for those with less access outside of school. The school should keep informed and responsive to technological advances.

The school should explore innovative ways to use computers to teach creatively, communicate with all stakeholders and enrich learning.

All information used in our policies is in accordance with the Data Protection Act 2018 and General Data Protection Regulations

(GDPR).

## **Aims**

We aim to:

- Ensure an engaging, enticing and enriching Computing curriculum is provided for all children



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regardless of ethnic origin, gender, class, aptitude or disability.

- Meet the National Curriculum requirements for Computing.
- Embed Computing across a curriculum that acknowledges its contribution to learning in all other subjects.
- Equip pupils with a progression of Computing knowledge and skills that they can apply both in and out of school.
- Support all staff to make effective use of ICT at a professional level.
- Have a positive impact on pupils' creativity, motivation, independence and collaboration, behaviour and attitudes, through Computing.
- Provide our children with an enjoyable experience of computers so that they will develop a deep and lasting interest and may be motivated to use them further.
- For children to use computers in experimental, imaginative, exploratory ways. This will include regular opportunities to engage with computer programming.
- Ensure that staff and children understand the capabilities, advantages, risks and limitations of ICT and consider the implications of its development for society.
- Make effective use of computers to transform teaching and learning providing opportunities that would otherwise not be possible.
- Facilitate electronic communication between home and school.
- Ensure the safety and well-being of our pupils.
- Teach Computing in line with the principles of our teaching and learning policy.
- Ensure Computing resources are relevant and sufficient.

## **Responsibilities**

The Headteacher & Governors will:

- Monitor the implementation of the Computing Policy.



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- Ensure there is a long-term plan that details coverage and progression.
- With the subject co-ordinator, monitor teaching, learning and standards in Computing.

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The Computing Co-Ordinator will:

- Devise, update and monitor the school's use of the ICT knowledge and skills progression.
- Support teachers with planning and use of resources.
- Undertake appropriate professional development to ensure an up-to-date knowledge and report to staff.
- Lead staff professional development in school.
- Manage the Computing resources in the school.
- Monitor teaching, learning and standards in Computing.
- Produce an action plan for Computing, setting out the priorities which will be incorporated in any school improvement plan.
- Carry out any risk assessments and follow health and safety guidelines.
- Review INSET requirements of staff and provide suitable training opportunities.
- Review and update policy biannually.

Teachers will:

- Use the Long Term Plan for Computing to plan opportunities for all children to develop a broad range of appropriate computing skills.
- Plan opportunities for the relevant and creative use of ICT across the curriculum on an ongoing basis.
- Plan for differentiation so that all children develop computing skills, taking into account the



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individual needs of children. This includes SEN, higher ability children and those with less access to computers at home.

- Ensure the appropriate time is allocated to discrete teaching of Computing and Computer Programming.
- Assess Computing using current assessment guidelines within the Teach Computing units.
- Report pupils' achievement in Computing in the annual report to parents.
- Follow health and safety guidelines and the 'Acceptable Use Policy' policy.

All staff will:

- Ensure all adults and children handle and use equipment in an appropriate way.
- Follow health and safety guidelines and the 'Acceptable Use of Internet and E safety' policy.

## Implementation

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(GDPR).

The key skills are incorporated into our topic work, but we also have time set aside to teach the progressive skills based on the Teach Computing scheme of work.

We aim to develop children's learning processes and skills so that children may;

- acquire and develop the skills associated with Computing including communicating, presenting and exchanging information, handling information, controlling, modelling and monitoring events;
- acquire and refine the techniques needed to use ICT;
- develop the skills of collecting first-hand data, analysing, evaluating, testing and drawing conclusions from them;



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- develop language skills and the use of appropriate technical vocabulary.

Children will be taught in a variety of groupings in order for them to receive their entitlement of Computing.

It should be noted that in order to meet the key skills, Computing is usually taught in isolation, however, it is mainly used as a cross curricular tool.

Westfield has 150 iPads, 15 laptops, 30 micro: bits, 12 Spheros and 18 Beebots. Each teaching staff member has their own personal laptop and iPads. Each classroom has a large interactive HD screen and connectivity to Air server software. All devices are installed with a range of software to support and enhance learning throughout the curriculum

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## **Progression**

Progression in Computing can be recognised by:

- increasing confidence in the use of ICT;
- increasing skill and flexibility in the use of ICT;
- increasing independence in the selection and use of ICT tools;
- increasing understanding of the appropriateness of ICT in a variety of situations;
- increasing complexity of tasks tackled using ICT;
- increasing understanding and knowledge of the uses of ICT in the wider world;
- increasing consideration of issues related to the uses of ICT.

## **Assessment and Record Keeping**

Assessment is an essential part of the learning process and should be an integral part of the classroom activity for both teacher and pupil.

ICT capability should be monitored regularly in relation to the key skills. Teachers should assess with reference to children's knowledge, understanding and skills.



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Samples of work are kept for one representative ARE pupil in each year group. These can be found in the Computing coordinators file.

For Foundation stage observations, discussions and photographic evidence should be recorded.

## **Learning Environment**

At Westfield, we are aware of the importance of a stimulating and safe environment in promoting children's learning. Children's learning will be supported through interactive displays, in the practical area, of high-quality work covering the breadth of the Computing Curriculum. The website will also be used to showcase evidence of ICT skill usage through the school. The use of ICT in a cross-curricular display is vital in promoting the significant contribution of ICT to each subject.

## **Health and Safety**

All equipment will undergo an annual safety check under the Electricity at Works Regulation 1989.

Health and safety awareness in relation to ICT will be an integral part of the children's learning.

Refer to Health and Safety policy.

At Westfield we are aware of the dangers inherent in the misuse of the Internet. See Internet and E Safety Policy.

## **Professional Development**

INSET will be delivered as school-based training or external courses. The Computing coordinator will regularly audit the INSET needs with colleagues and address these as described above.

## **Review**

The Computing Co-ordinator will review this policy every two years